

- 1. Mrs. Wood asked each student to write on a piece of paper one place that he or she would like to visit on a class field trip. The results are shown in the chart below:

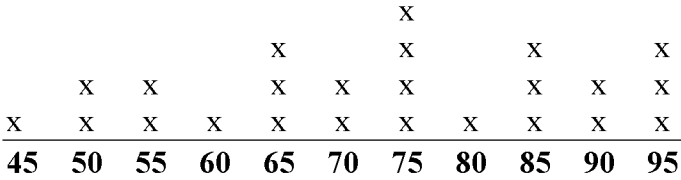
Field Trip Choices

Table with 2 columns: Place to Visit, Number of Student Choices. Rows include Science museum (9), Water park (3), Power plant (4), History museum (7), Zoo (5).

Mrs. Wood placed each student’s paper in a bag and drew one paper at random. What is the probability she drew a piece of paper that had the science museum written on it?

- A. 1/28
B. 1/5
C. 9/28
D. 9/5

- 2. Carman made the following line plot. What is the mode of the data?



- A. 65
B. 75
C. 95
D. 85

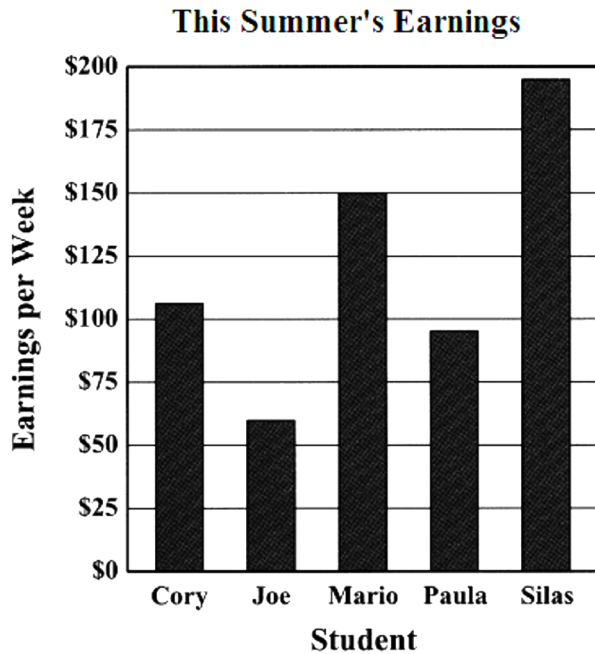
- 3. What is the range of the data shown below?

Table with 2 columns: Food Item, Grams of Fat. Rows include Saltine cracker (1 gram), Slice of American cheese (4 grams), Slice of wheat bread (1.5 grams), Tablespoon of peanut butter (8 grams), Whole bagel (6 grams).

- A. 5 g
B. 7 g
C. 6 g
D. 4 g

The graph below shows the amount of money earned per week by five students in their summer jobs.

Use the information below to answer question 7.



7. Silas earned \$80 more per week last summer than he did this summer. How much could Silas' weekly earnings have been last summer?
- A. \$115
 - B. \$250
 - C. \$275
 - D. \$290

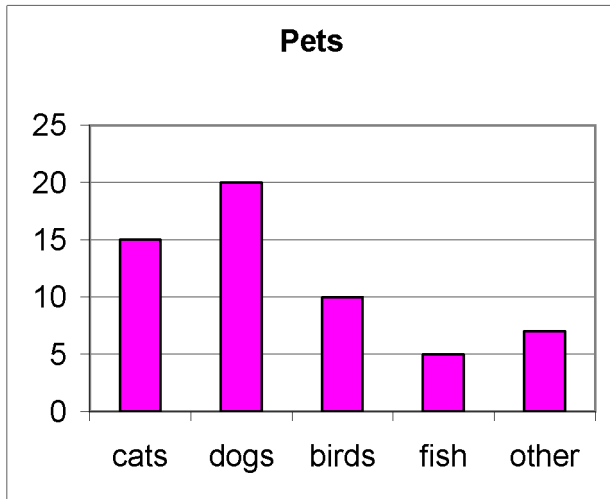
8. Jeanna is measuring strawberry production for her science fair project. She recorded the number of strawberries produced in two different situations to determine which growing conditions were best. She recorded the results in the chart below.

Strawberry Production		
Week	Strawberry Plants in Garden	Strawberry Plants in Greenhouse
1	3 strawberries	4 strawberries
2	6 strawberries	8 strawberries
3	9 strawberries	12 strawberries
4	12 strawberries	16 strawberries
5	15 strawberries	20 strawberries

Based on the data in the chart, what conclusion can be made?

- A. It rained most of the 5 week period.
- B. Strawberries need a lot of attention to grow well.
- C. Strawberries grown in the garden taste better than those grown in a greenhouse.
- D. The conditions in the greenhouse were better for growing strawberries.

9. Stormi created the bar graph below.



Which survey question did she use?

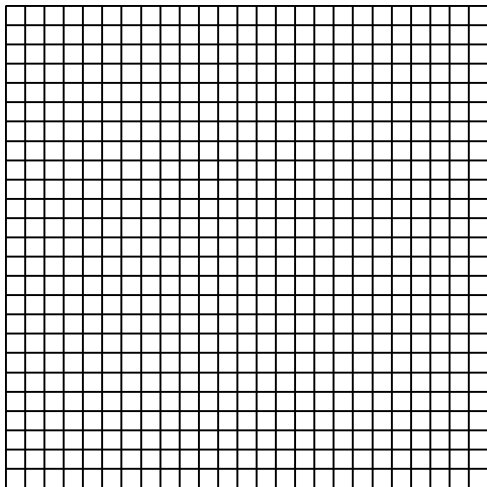
- A. Do you have a pet?
- B. What is your favorite pet name?
- C. What is your favorite pet?
- D. What is your favorite wild animal?

MATH OPEN-RESPONSE ITEM A

- A. Josh purchased 4 shirts, 3 pairs of pants, and 2 ties that can be combined to create several new outfits.
1. If an outfit consists of 1 shirt, 1 pair of pants, and 1 tie, how many **different** outfit combinations can Josh choose? Show all your work and/or explain your answer.
 2. On the grid provided in your answer document, draw a tree diagram or make a list showing all of the **different** outfit combinations for Part 1.

BE SURE TO LABEL YOUR RESPONSES 1 AND 2.

A



MATH OPEN-RESPONSE ITEM A (DAP.17.5.2)

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BE SURE TO LABEL YOUR RESPONSES 1 AND 2.

RUBRIC FOR MATH OPEN-RESPONSE ITEM A (DAP.17.5.2)

Score	Description
4	The student earns 4 points. The response contains no incorrect work.
3	The student earns 3 points.
2	The student earns 2 points.
1	The student earns 1 point, or some minimal understanding shown.
0	The student earns 0 points. No understanding is shown.
B	Blank—No Response. A score of “B” will be reported as “NA.” (No attempt to answer the item. Score of “0” assigned for the item.)

Solution and Scoring

Part	Points
1	2 points possible 2 points: Correct and complete procedure showing and/or explaining how to determine the answer of 24 different outfit combinations OR 1 point: Correct answer with partial or vague work/explanation OR 1 point: Correct procedure with incorrect answer
2	2 points possible 2 points: Correct and complete tree diagram or list showing all possible combinations OR 1 point: Partially complete tree diagram or list showing nearly all possible combinations OR 1 point: Complete/partial diagram showing possible combinations

LITTLE ROCK

Math / Grade 5 / Data Analysis Probability Assessment Answer Key and Alignment

<u>Answer</u>	<u>Source</u>	<u>SLE</u>	<u>CC-Standard</u>
1. C	TLI	DAP.17.5.1	
2. B	TLI	DAP.15.5.2a	
3. B	TLI	DAP.15.5.2a	
4. B	TLI	DAP.15.5.2a	
5. C	TLI	DAP.15.5.2b	
6. B	TLI	DAP.14.5.3a	
7. C	TLI	DAP.14.5.3a	
8. D	TLI	DAP.16.5.1	
9. C	TLI	DAP.14.5.2	